

**CITY OF DANVILLE
PROJECT DESCRIPTION
FY 2015 FIVE-YEAR CIP**

Project Title: nDanville Ph 3 - Fiber to the Home

Department: Utilities
165

Division: Ndanville
418

Section: Distribution (Water, Gas, and Electric) 2
Fund:55

Description:

This project will involve installing nDanville fiber optics down city streets in order to pass approximately 1,000 homes per year. To date, nDanville has helped attract many economic prospects to Southside Virginia and has passed over 1,200 homes. All industrial parks are nDanville fiber ready.

Justification:

The deployment will continue to expand nDanville into residential neighborhoods while operating debt free. The expansion areas will begin to have a positive payback by year three and continue to show profits every year forward. A fiber to the home pilot project would be funded with current revenue generated from existing nDanville business, municipal/school, and existing residential customers. The projects will not rely on taxpayer or utility ratepayer revenue. Revenue accumulated from these residential connections would then be put back into future fiscal budgets which would then be invested back into neighborhood deployments pending City Council's approval. This residential project would act as an investment towards the future of our community that is driven by information and technology.

Comments:

N/A

**CITY OF DANVILLE
PROJECT DESCRIPTION
FY 2015 FIVE-YEAR CIP**

Project Title: nDanville Ph 3 - Fiber to the Home

Department: Utilities
165

Division: Ndanville
418

Section: Distribution (Water, Gas, and Electric) 2
Fund:55

Project Cost/Funding Sources:

	<u>Prior Years</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total</u>
Utility Fund Revenues	-	\$500,000	\$450,000	\$450,000	\$450,000	\$500,000	\$2,350,000
Project Totals:	-	\$500,000	\$450,000	\$450,000	\$450,000	\$500,000	\$2,350,000

Goals/Milestones:

FY 2015	Funds will be spent on materials (conduit, fiber optic cable, and electronics) and labor to install nDanville access to the homes in the Windsor Heights neighborhood. This neighborhood consists of streets where the utilities are primarily underground while some are aerial. The underground section will add to the price of the project.
FY 2016	Funds will be spent on materials (conduit, fiber optic cable, and electronics) and labor (engineering and construction) to install nDanville access to the homes in prospective neighborhoods. The project should service a neighborhood(s) with approximately 400-500 homes. The neighborhoods selected will be based on customer feedback and survey from service providers.
FY 2017	Funds will be spent on materials (conduit, fiber optic cable, and electronics) and labor (engineering and construction) to install nDanville access to the homes in prospective neighborhoods. The project should service a neighborhood(s) with approximately 400-500 homes. The neighborhoods selected will be based on customer feedback and survey from service providers.
FY 2018	Funds will be spent on materials (conduit, fiber optic cable, and electronics) and labor (engineering and construction) to install nDanville access to the homes in prospective neighborhoods. The project should service a neighborhood(s) with approximately 400-500 homes. The neighborhoods selected will be based on customer feedback and survey from service providers.
FY 2019	Funds will be spent on materials (conduit, fiber optic cable, and electronics) and labor (engineering and construction) to install nDanville access to the homes in prospective neighborhoods. The project should service a neighborhood(s) with approximately 500-600 homes. The neighborhoods selected will be based on customer feedback and survey from service providers.